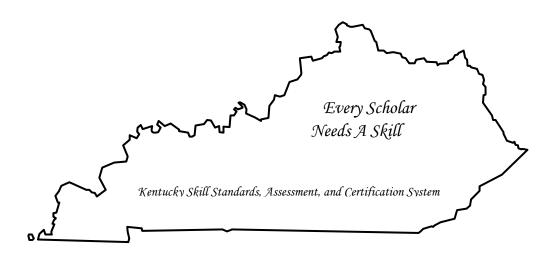
Kentucky Basic Manufacturing Skill Standards



Established by the Manufacturing Skill Standards Task Force

July 2000

ACKNOWLEDGMENTS

The mission of the Manufacturing Skill Standards Task Force was to develop a "user-friendly" document that would serve as a tool for instruction for all industrial technology education teachers. Our hope is that schools/teachers will use this document as a framework for further curriculum development. Future plans for the Task Force will include regular reviews and updates to the document as other career major areas are implemented.

A project of this significance relies heavily on the support and cooperation of many. The state effort could not have been accomplished without the persistence and guidance from Pamela Moore, State Skill Standards Project Director, and Mikala Rahn, national consultant for the effort. On behalf of the Kentucky Department of Education, Division of Career and Technical Education, I would like to acknowledge the support of the Manufacturing Skill Standards Task Force and the contribution they made to this project. The following persons served on this task force:

Ken Carroll, Executive Director, Bluegrass State Skill
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Emil Jezik, Department for Technical Education
James Justice, Vocational Coordinator, Fayette County Schools
Keith Bird, Chancellor, Kentucky Community and Technical College System
Vince Senior, Associated Industries of Kentucky

The following business and industry representatives assisted with the development and/or review of the project and have endorsed the attached standards:

Bob Bihr, Jr., ACK Controls
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INTRODUCTION Manufacturing Career Cluster Core

In 1990, the Kentucky Education Reform Act (KERA) academic goals outlined what every student in Kentucky schools should know and be able to do. In 1999, Kentucky began the Kentucky Manufacturing Skill Standards that answers the question: "What does a worker need to know and be able to do to contribute to the safe and effective delivery of manufacturing occupations and related occupations?" The standards inform current and future manufacturing employers; employees and educators about what skills and knowledge workers need in order to succeed—in a job, a life-long career and as in the role of wage earner.

The need for development of skill standards originated at a summit called by the National Governors Association, the Education Commission of the States and the president of IBM Corporation. The focus of this summit looked at how standards for education and technology could be developed across the country to increase student achievement. As a result, Governor Paul Patton directed the Workforce Development Cabinet and the Department of Education to work on three objectives:

- Give more value to student work in high schools
- Utilize standards to reflect high expectations
- Apply performance (skill) standards to occupations

These entities partnered with the Cabinet for Economic Development and the Kentucky Community and Technical College System to facilitate the development of skill standards in Kentucky. The Cabinet for Economic Development and the Kentucky Industrial Development Council jointly funded the Target Industry Analysis that was utilized to identify primary and secondary industries within the Commonwealth. As a result of the analysis, manufacturing was identified as the priority industry sector and became the basis for the establishment of a "Manufacturing Skill Standards Task Force," comprised solely of employers. Since employers are experts at knowing what skills are needed, it was determined that employers would define manufacturing skill standards through the Kentucky Manufacturing Skill Standards Task Force. The public sector facilitators were asked to identify assessment instruments and curricula to support and implement manufacturing skill standards. The private and public sector facilitators are jointly participating in and validating the process, with the private sector making any final determinations.

The Manufacturing Skill Standards Task Force utilized the skill standards developed by NACFAM (National Coalition for Advanced Manufacturing) as a template. These standards are divided into three categories: Academic, Employability and Occupational Skills. The standards are identified at two levels:

- Basic Level 1 Applicable to all manufacturing organizations
- Advanced Level II Applicable to high performance manufacturing organizations

The Kentucky Manufacturing Skill Standards Task Force has adopted skill standards at both Level I & II, completing Phase I of the project. The Kentucky Manufacturing Skill Standards Consortium (KMSSC) has been formed to continue the work of the Task Force. The KMSSC is a statewide consortium comprised solely of employer representatives from local and regional manufacturing consortia from throughout Kentucky. The mission of the KMSSC is to ensure that manufacturing skill standards, the assessment and the curriculum continue to facilitate the development of a highly skilled manufacturing workforce. Associated Industries of Kentucky (AIK) played a key role in the formation of the KMSSC and is working hard to make this initiative a great success. The Bluegrass State Skills Corporation has approved a grant for the KMSSC to fund 5-% of the total cost of \$199,700.00 for development of the assessment instruments

through Phase II. The Kentucky Community and Technical College System have also provided significant financial support toward the implementation of Phase II. VTECS is under contrast as the assessment developer. They began their work in August of 1999 and are on schedule to meet their contractual obligations by August 31, 2000. Basic and advanced level assessment instruments have been developed and the first round of pilot testing was conducted in January and February 2000 at several sites throughout Kentucky. The second round of testing secondary, postsecondary and adult test takers occurred in April, May and June. Final validation of Phase II is targeted for completion in July after VTECS scores the assessments and develops reports to be presented to the KMSS Technical Committee.

Phase III is underway and involves the initial integration of manufacturing skill standards into existing curricula, within secondary and postsecondary systems, and the development of customized curriculum to address the needs of individual companies and training consortia. The Department of Technical Education of the Cabinet for Workforce Development and the Kentucky Department of Education are collaborating together to integrate the standards into existing secondary curricula. The Kentucky Community and Technical College System (KCTCS) are working to integrate the standards into existing postsecondary curricula. KCTCS is also taking the lead to establish an on demand assessment system and develop customized curriculum to implement the provision of remediation services. Once Phase I and II are validated by the KMSS Consortium, the standards as well as the assessment and remediation services will be rolled out statewide. This initiative is to be completed by August 31, 2000.

The key measures to the success of the voluntary manufacturing standards include the number of individuals certified; the number of individuals placed in jobs; cost reductions to employers; creation of new and retention of existing manufacturing jobs, and customer satisfaction.

Preparation for Tomorrow's Workforce

Carl D. Perkins Vocational and Technology Act of 1990 mandates broad vocational, rather than job-specific, training and an integration of academic and vocational content. The Act requires programs to provide students with a general understanding of "all aspects of an industry." More recently, the first of the five Indicators of Performance in the new Perkins legislation addresses "student attainment of challenging state-established academic and vocational/technical skill proficiencies."

Skill Standards are the performance specifications that identify the knowledge, skills and abilities, and individual needs to succeed in the workplace. Identifying the necessary skills is critical to preparing students for entry into employment. Skill standards provide a common vocabulary to enhance communication between:

- •Employers and Job Seekers—to specify the knowledge, skills, aptitudes and attitudes required for recruitment, hiring, and retention in a company or within an industry.
- •Employers and Schools or Job Training programs--to encourage the alignment of school curricula with industry requirements, to update educational objectives as workplace demands change, and to ensure a better return on public and private education and training investments.
- •Employers or Job Seekers and Schools or Job Training Programs--to help employees and job seekers make decisions about their own education and training needs in a changing market place.

In the most successful workplaces, the only constant is change. Jobs that were previously simple now require high performance work processes and enhanced skills in order to compete globally. Skill standards reflect these changing workplace realities and are keys for helping

applicants and employers enjoy greater career opportunities and achieve higher standards of living and economic security.

Kentucky's Certification System

Skill standards are important today to educators, employers, and students who desire jobs after graduation from high school. The Division of Career and Technical Education, in conjunction with employers from the transportation industry, are working together to develop a system to certify that students have attained the necessary skills for employment. The first step in developing this system was the development or adoption of skill standards that describe the necessary occupational, academic and employability skills needed to enter the industry. Mastery of these standards would signal to employers that the student is employable and ready to begin employment with the industry.

In order to insure that students in fact attained the necessary skills described in the standards document, students will take an assessment based on the standards. The assessment system includes two components:

Multiple-choice questions specifically testing the mastery of the Skill Standards; and

Problem-based scenario to test the students problem solving and decision-Making skills related to their occupational standards.

Students that pass each of the components at a percentage previously set, will receive an industry recognized certificate to provide to employers communicating their mastery of the standards.

Program Sequence for Industrial Technology Education Manufacturing Skill Standards

Students should complete courses from the secondary Industrial Technology Education Manufacturing Cluster curriculum. In order to be successful on the Skill Standards assessment, students should complete a minimum of three credits from the following courses from the Kentucky Program of Studies or comparable courses from the Kentucky Tech Curriculum: Industrial Electronics Technology, Machine Tool Technology, Air Conditioning Technology, Industrial Systems Maintenance, Industrial Automation Technology, Welding, Wood Products Manufacturing, Major Appliance Technology, Industrial Chemical Processes, and Plastics Technology.

The Kentucky Manufacturing Core Skill Standards can be used as a framework for linking academic curricula to actual teaching practices, school to work, secondary education to post-secondary education, and students to their community. These connections will strengthen the manufacturing industry.

SkillsUSA VICA incorporates academic, employability, and occupational skill standards into the competitive events program at the regional, state and national levels.

The Skill Standards Document describes the skill standards to be assessed in the certification process. Current curriculum in Industrial Technology Education offered in your school should be aligned to these standards. A crosswalk shows the relationship between the manufacturing core skill standards, Kentucky academic expectations, and the Secretary's Commission on Achieving Necessary Skills (SCANS). SCANS was developed by the U.S. Department of Labor in 1991 with the involvement of employers from all across the nation. They describe the necessary foundation skills and competencies necessary to succeed in the workplace. The Kentucky Workforce Roundtable and other organizations have adopted the employability skills to communicate the needs of industry to schools.

For more information about the skill standards, crosswalks or certification system for Industrial Technology Education, please contact:

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COMMUNICATIONS & TEAMWORK

	ACADEMIC
A1.1	Read process information and follow instructions.
A1.2	Read material and describe concepts
A1.3	Use correct pronunciation
A1.4	Use correct spelling
A1.5	Write with accuracy, brevity, and clarity
A1.6	Keyboarding
A1.7	Knowledge of conflict and resolution techniques
A1.8	Possess basic computer keyboarding skills
A1.9	Understanding basics of interpersonal communication (listening, written/oral, etc.)
	EMPLOYABILITY
E1.1	Read documentation, such as computer manual, to determine actions for specific
	situations
E1.2	Organize materials with logical flow
E1.3	Interpret and clarify directions prepared by others
E1.4	Communicate with customer to establish requirements
E1.5	Understanding team concepts
E1.6	Write steps of an occupational process using sentences and statements as appropriate
	MATH AND MEASUREMENT
	ACADEMIC
A2.1	Add, subtract, multiply, and divide four digit numbers with the use of a calculator
A2.2	Add, subtract, multiply, and divide four digit numbers without the use of a calculator
A2.3	Apply basic math functions to solve problems
A2.4	Convert between US and metric measurement systems
A2.5	Convert fractional measurement to decimal measurement
A2.6	Compute within measurement systems
A2.7	Document results of measurement activities and calculations
A2.8	Distinguish between US and metric measuring systems
A2.9	Calculate with percents, rate, ratio, and proportion with the use of a calculator
A2.10	Make reasonable estimates of arithmetic results without the use of a calculator
A2.11	Use hand calculators
00.4	OCCUPATIONAL
02.1	Create and interpret basic graphs and charts commonly used in manufacturing
02.2	Match measurement activities to manufacturing processes
02.3	Select and use appropriate measurement techniques and instruments
02.4	Demonstrate proper general measurement techniques
	WORKPLACE SAFETY & HEALTH
F2 4	EMPLOYABILITY Assume repossibility for the personal safety of self and others
E3.1 E3.2	Assume responsibility for the personal safety of self and others Maintain a clean and safe work environment
E3.3 E3.4	Demonstrate a positive personal attitude towards safety Comply with established safety practices
E3.4 E3.5	Comply with established safety practices
E3.6	Identify fire exits and fire-fighting equipment Report unsafe practices to appropriate personnel
<u></u> ⊑3.0	OCCUPATIONAL
O3.1	Complete forms and paperwork as required
03.1	Wear protective safety clothing as required
03.2	Maintain and use protective guards and equipment on machinery
03.4	Handle and store flammable materials appropriately
O3.4 O3.5	Use electrical devices correctly and safely
03.6	Prevent spontaneous ignition by practicing proper waste disposal habits
03.7	Keep marked aisles clear of equipment and materials
U3.1	neep marked alsies clear or equipment and materials

O3.8	Interpret and display MSDS sheets as required								
O3.9	Operate equipment in a safe, prescribed manner								
03.10	Follow established safety procedures when around machinery or equipment								
03.11	Follow established safety procedures when using tools or operating machinery								
03.12	Operate hand tools in a safe, prescribed manner								
03.13	Locate power shutoff controls for all machinery and equipment								
03.14	Identify and report malfunctions to appropriate personnel								
O3.15	Inspect material, equipment and fixtures for defects								
03.16	Determine weight and operating limits of equipment								
03.17	Perform periodic checks during operation to assure proper function								
03.18	Respond to emergencies in the appropriate manner								
O3.19	Describe ergonomics and its importance to the manufacturing process								
	PROBLEM SOLVING								
E4.4	EMPLOYABILITY								
E4.1	Explain the value of applying a problem-solving system								
E4.2	Apply a system of problem solving								
E4.3	Identify opportunities for applying problem solving techniques								
	QUALITY ASSURANCE								
	EMPLOYABILITY Final sign than affect of available as a section.								
E5.1	Explain the effect of quality on profit								
E5.2	Identify the effects of continuous quality improvement								
E5.3	Identify your customers								
05.4	OCCUPATIONAL								
O5.1	Identify customer problems								
O5.2	Determine causes of the problem								
O5.3	Apply problem-solving system								
O5.4	Recommend possible solutions								
O5.5	Define SPC								
O5.6	Define international quality standards and systems such as ISO/QS 9000 BLUEPRINT READING								
O6.1	OCCUPATIONAL Define basis blueprint terminals and								
06.1	Define basic blueprint terminology Interpret commonly used abbreviations and terminology								
06.2	Identify types of lines within a drawing								
00.3	BUSINESS PLANNING & OPERATION								
	ACADEMIC								
A7.1	Identify the organizational need for profit								
A7.1	Define the term "profit"								
71.2	EMPLOYABILITY								
E7.1	Identify the components that lead to customer satisfaction								
E7.1	Identify possible actions that may lead to customer dissatisfaction								
E7.2	Identify the ways that the level of customer satisfaction may affect company success								
E7.4	Explain the importance of a business reputation								
E7.4	Identify the ways that customer satisfaction influences a business reputation								
L1.5	WORKFORCE ISSUES								
	EMPLOYABILITY								
E8.1	Recognize the difference between a team environment workplace and a conventional								
LO. 1	workplace								
E8.2	Identify the characteristics of a diverse work force								
E8.3	Identify good ethical characteristics and behaviors								
E8.4	Demonstrate good ethical characteristics and behaviors								
E8.5	Differentiate between good and poor business ethics practices								
	Differentiate between good and poor business ethics practices								

E8.6	Match employee responsibilities to employer expectations									
E8.7	Define discrimination, harassment and equity									
E8.8	Demonstrate non-discriminatory behavior									
E8.9	Maintain confidentiality and sensitivity of company information									
	WORKPLACE SKILLS									
	EMPLOYABILITY									
E9.1	Demonstrate consistently punctual arrival									
E9.2	Document regular attendance									
E9.3	Demonstrate enthusiasm and confidence about work and learning new tasks									
E9.4	Demonstrate appropriate dress and hygiene for successful employment									
E9.5	Demonstrate the ability to act in a polite and respectful way towards co-workers									
E9.6	Demonstrate the ability to complete tasks on time and accurately									
E9.7	Demonstrate the ability to make career decisions									
E9.8	Prepare a resume and letter of application or interest									
E9.9	Fill out an application for employment									
E9.10	Participate in an employment interview									
E9.11	Follow directions and procedures									
E9.12	Be truthful in all communications with co-workers and supervisors									
E9.13	Accept constructive criticism									
E9.14	Demonstrate an ability to learn new skills and behaviors									
E9.15	Demonstrate a willingness to work									
E9.16	Demonstrate a willingness to learn									
E9.17	Work with minimal supervision									
E9.18	Plan and organize									
	OCCUPATIONAL									
O9.1	Demonstrate safe, careful use, treatment and maintenance of tools, equipment, and machines									
09.2	Demonstrate basic mechanical skills									
	LEARNING SKILLS									
	ACADEMIC									
A10.1	Identify personal preferred learning styles									
A10.2	Demonstrate ability to learn new process steps									
A10.3	Implement new process steps given oral instructions									
A10.4	Read process instructions and implement appropriate steps									
	OCCUPATIONAL									
O10.1	Participate in product or process specific training and report significant information									

Skill Standards

Kentucky Academic Expectations

	COMMUNICATIONS & TEAMWORK				
	ACADEMIC				
A1.1	Read process information and follow instructions.	1.2	Reading	C5 C6 C7 F1	Acquires and Evaluates Information Organizes and Maintains Information Interprets and Communicates Information Reading
A1.2	Read material and describe concepts	1.2 1.10 3.4 3.7	Reading Classifying Resourceful and Creative Learn on One's Own	C7 F1 F2 F6 F11	Interprets and Communicates Information Reading Writing Speaking Knows How to Learn
A1.3	Use correct pronunciation	1.4 1.12	Listening Speaking	C7 F5 F6	Interprets and Communicates Information Listening Speaking
A1.4	Use correct spelling	1.11	Writing	C7 F2	Interprets and Communicates Information Writing
A1.5	Write with accuracy, brevity, and clarity	1.11	Writing	C7 F2	Interprets and Communicates Information Writing
A1.6	Keyboarding	1.16	Using Electronic Technology	C8 F1	Uses Computers to Process Information Reading
A1.7	Knowledge of conflict and resolution techniques	2.31 2.32 4.1 4.2 4.3 4.4 4.5	Physical Wellness Mental and Emotional Wellness Interpersonal Skills Productive Team Skills Consistent, Responsive, Caring Behavior Rights and Responsibilities Multicultural Sensitivity Open Mind to alternative Perspectives	F1 F5 F11	Reading Listening Knows How to Learn
A1.8	Possess basic computer keyboarding skills	1.16	Using Electronic Technology	C8 F1	Uses Computers to Process Information Reading

Skill Standards

Kentucky Academic Expectations

A1.9	Understand basics of interpersonal communication (listening, written/oral, etc.)	1.2 1.3 1.4 1.11 1.12	Reading Observing Listening Writing Speaking	C7 F1 F2 F5 F6	Interprets and Communicates Information Reading Writing Listening Speaking
	EMPLOYABILITY				
E1.1	Read documentation, such as computer manual, to determine actions for specific situations	1.2 1.10 3.7 5.4	Reading Classifying Learn On One's Own Decision Making	C5 C7 F1 F8 F12	Listening Interprets and Communicates Information Reading Decision Making Reasoning
E1.2	Organize materials with logical flow	3.4 3.7 5.1 5.2 5.3 5.4 5.5	Resourceful and Creative Learn On One's Own Critical Thinking Creative Thinking Conceptualizing Decision Making Problem Solving	C5 F1 F2 F5 F6 F8	Acquires and Evaluates Information Reading Writing Listening Speaking Decision Making
E1.3	Interpret and clarify directions prepared by others	1.2 1.4 1.12 5.1	Reading Listening Speaking Critical Thinking	C5 F1 F2 F5 F6 F8 F9 F12 F13	Acquires and Evaluates Information Reading Writing Listening Speaking Decision Making Problem Solving Reasoning Responsibility

Skill Standards

Kentucky Academic Expectations

E1.4	Communicate with customer to establish	1.4	Listening	C5	Acquires and Evaluates Information
	requirements	1.12	Speaking	F5	Listening
		3.3	Adaptable and Flexible	F6	Speaking
		4.1	Interpersonal Skills	F8	Decision Making
		4.3	Consistent, Responsive, Caring Behavior	F9	Problem Solving
		4.6	Open Mind to Alternative Perspectives	F12	Reasoning
		5.1	Critical Thinking		
		5.4	Decision Making		
		5.5	Problem Solving		
E1.5	Understand team concepts	1.4	Listening	C4	Allocates Human Resources
		1.12	Speaking	F5	Listening
		2.26	Diversity	F6	Speaking
		3.3	Adaptable and Flexible	F15	Social
		4.1	Interpersonal Skills	F17	Integrity/Honesty
		4.2	Productive Team Skills		
E1.6	Write steps of an occupational process using	1.11	Writing	F2	Writing
	sentences and statements as appropriate	5.1	Critical Thinking	F12	Reasoning
		5.3	Conceptualizing		
		5.4	Decision Making		
		5.5	Problem Solving		
	MATH AND MEASUREMENT				
	ACADEMIC				
A2.1	Add, subtract, multiply, and divide four-digit	2.7	Number	F3	Arithmetic
	numbers with the use of a calculator	2.8	Mathematical Procedures		
A2.2	Add, subtract, multiply, and divide four-digit	2.7	Number	F3	Arithmetic
	numbers without the use of a calculator	2.8	Mathematical Procedures		
A2.3	Apply basic math functions to solve problems	2.7	Number	F3	Arithmetic
		2.8	Mathematical Procedures	F4	Mathematics
		2.9	Space and Dimensionality	F9	Problem Solving
		2.10	Measurement		
		5.5	Problem Solving		
A2.4	Convert between US and metric measurement	2.7	Number	F3	Arithmetic
	systems	2.8	Mathematical Procedures	F4	Mathematics
		2.10	Measurement	F9	Problem Solving
		5.1	Critical Thinking		· ·
A2.5	Convert fractional measurement to decimal	2.7	Number	F3	Arithmetic
	measurement	2.8	Mathematical Procedures	F4	Mathematics
		5.1	Critical Thinking	F9	Problem Solving

Skill Standards

Kentucky Academic Expectations

A2.6	Compute within measurement systems	1.6	Computing	F3	Arithmetic
		1.8	Measuring	F4	Mathematics
		1.9	Mathematical Reasoning	F9	Problem Solving
		5.1	Critical Thinking		
		5.4	Decision Making		
		5.5	Problem Solving		
A2.7	Document results of measurement activities and	1.6	Computing	F2	Writing
	calculations	1.8	Measuring	F3	Arithmetic
		1.9	Mathematical Reasoning	F4	Mathematics
		5.1	Critical Thinking	F9	Problem Solving
		5.4	Decision Making		
		5.5	Problem Solving		
A2.8	Distinguish between US and metric measuring	2.7	Number	F3	Arithmetic
	systems	2.8	Mathematical Procedures	F4	Mathematics
		2.9	Space and Dimensionality	F12	Reasoning
		5.1	Critical Thinking		
A2.9	Calculate with percents, rate, ratio, and proportion	1.9	Mathematical Reasoning	C18	Selects Technology
	with the use of a calculator	5.5	Problem Solving	C19	Applies Technology to a Task
				F3	Arithmetic
				F4	Mathematics
				F9	Problem Solving
A2.10	Make reasonable estimates of arithmetic results	1.9	Mathematical Reasoning	F3	Arithmetic
	without the use of a calculator	5.5	Problem Solving	F4	Mathematics
			g	F9	Problem Solving
A2.11	Use hand calculators	2.7	Number	F3	Arithmetic
		2.8	Mathematical Procedures	F4	Mathematics
		5.5	Problem Solving	F9	Problem Solving
	OCCUPATIONAL		, , , , , , , , , , , , , , , , , , ,		J 1 1 1 1
02.1	Create and interpret basic graphs and charts	2.8	Mathematical Procedures	C6	Organizes and Maintains Information
	commonly used in manufacturing	2.9	Space and Dimensionality	F8	Decision Making
	Total in the state of the state	2.13	Data	F9	Problem Solving
		5.4	Decision Making	F12	Reasoning
		5.5	Problem Solving		
O2.2	Match measurement activities to manufacturing	1.8	Measuring	F3	Arithmetic
02.2	processes	1.9	Mathematical Reasoning	F4	Mathematics
	p. 000000	2.9	Space and dimensionality	''	mationatio
		2.10	Measurement		
O2.3	Select and use appropriate measurement	1.8	Measuring	C18	Selects Technology
02.0	techniques and instruments	1.9	Mathematical Reasoning	C19	Applies Technology to a Task
	toomingace and monamente	2.9	Space and dimensionality		Applied 1 dollhology to a Taok
		2.10	Measurement		
		5.5	Problem Solving		
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Skill Standards

Kentucky Academic Expectations

02.4	Demonstrate proper general measurement	1.8	Measuring	F3	Arithmetic
	techniques	1.9	Mathematical Reasoning	F4	Mathematics
		2.9 2.10	Space and dimensionality Measurement	F12	Reasoning
	WORKPLACE SAFETY & HEALTH	2.10	Measurement		
	EMPLOYABILITY				
E3.1	Assume responsibility for the personal safety of	2.31	Physical Wellness	F12	Reasoning
	self and others	2.33	Community Health System	F13	Responsibility
	Sen and street	3.2	Healthy Lifestyles	F16	Self-Management
		4.3	Consistent, Responsive, Caring Behavior	F17	Integrity/Honesty
		4.4	Rights and Responsibilities	' ''	eg.ny/rieneety
		5.4	Decision Making		
		5.5	Problem solving		
E3.2	Maintain a clean and safe work environment	4.4	Rights and Responsibilities	F8	Decision Making
		5.4	Decision Making	F12	Reasoning
				F13	Responsibility
E3.3	Demonstrate a positive personal attitude towards	4.4	Rights and Responsibilities	F8	Decision Making
	safety	5.4	Decision Making	F12	Reasoning
				F13	Responsibility
				F16	Self-Management
E3.4	Comply with established safety practices	4.4	Rights and Responsibilities	F8	Decision making
		5.4	Decision Making	F9	Problem Solving
		5.5	Problem Solving	F12	Reasoning
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
E3.5	Identify fire exits and fire-fighting equipment				
E3.6	Report unsafe practices to appropriate personnel	1.3	Observing	F2	Writing
		1.11	Writing	F6	Speaking
		1.12	Speaking	F13	Responsibility
		2.31	Physical Wellness	F17	Integrity/Honesty
		4.4	Rights and Responsibilities		
	OCCUPATIONAL				
O3.1	Complete forms and paperwork as required	1.2	Reading	C1	Allocates Time
		1.11	Writing	C6	Organizes and Maintains Information
		2.37	Employability Skills	F1	Reading
		5.4	Decision Making	F2	Writing
				F8	Decision Making
				F13	Responsibility
1				F16	Self-Management

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Kentucky Academic Expectations

O3.2	Wear protective safety clothing as required	2.31	Physical Wellness	F8	Decision Making
		4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.3	Maintain and use protective guards and	2.31	Physical Wellness	F8	Decision Making
	equipment on machinery	4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
			-	F17	Integrity/Honesty
O3.4	Handle and store flammable materials	2.31	Physical Wellness	F8	Decision Making
	appropriately	4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.5	Use electrical devices correctly and safely	2.31	Physical Wellness	F8	Decision Making
		4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.6	Prevent spontaneous ignition by practicing proper	2.31	Physical Wellness	F8	Decision Making
	waste disposal habits	4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.7	Keep marked aisles clear of equipment and	2.31	Physical Wellness	F8	Decision Making
	materials	4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.8	Interpret and display MSDS sheets as required	1.2	Reading	F1	Reading
		2.31	Physical Wellness	F8	Decision Making
		4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty
O3.9	Operate equipment in a safe, prescribed manner	2.31	Physical Wellness	F8	Decision Making
		2.34	Psychomotor Skills	F12	Reasoning
		4.4	Rights and Responsibilities	F13	Responsibility
		5.4	Decision Making	F16	Self-Management
				F17	Integrity/Honesty

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O3.10	Follow astablished asfaty procedures when	2 24	Dhysical Wellness	C7	Interprets and Communicates Information
03.10	Follow established safety procedures when	2.31	Physical Wellness	C7	Interprets and Communicates Information
	around machinery or equipment	3.5	Self-Control and Self-Discipline	C9	Participates
		4.3	Consistent, Responsive, Caring Behavior	C16	Monitors and Corrects Performance
		4.4	Rights and Responsibilities	C20	Maintains and Troubleshoots Technology
		5.4	Decision Making	F1	Reading
				F5	Listening
				F8	Decision Making
				F12	Reasoning
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
O3.11	Follow established safety procedures when using	2.31	Physical Wellness	C7	Interprets and Communicates Information
	tools or operating machinery	3.5	Self-Control and Self-Discipline	C9	Participates
		4.3	Consistent, Responsive, Caring Behavior	C16	Monitors and Corrects Performance
		4.4	Rights and Responsibilities	C20	Maintains and Troubleshoots Technology
		5.4	Decision Making	F1	Reading
				F5	Listening
				F8	Decision Making
				F12	Reasoning
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
O3.12	Operate hand tools in a safe, prescribed manner	2.31	Physical Wellness	C7	Interprets and Communicates Information
	, process	3.5	Self-Control and Self-Discipline	C9	Participates
		4.3	Consistent, Responsive, Caring Behavior	C16	Monitors and Corrects Performance
		4.4	Rights and Responsibilities	C20	Maintains and Troubleshoots Technology
		5.4	Decision Making	F1	Reading
				F5	Listening
				F8	Decision Making
				F12	Reasoning
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
O3.13	Locate power shutoff controls for all machinery	2.34	Psychomotor Skills	C5	Acquires and Evaluates Information
00.10	and equipment	3.4	Resourceful and Creative	F1	Reading
		3.5	Self-Control and Self-Discipline	F8	Decision Making
		5.4	Decision Making	F12	Reasoning
		0.4	Decision Making	F13	Responsibility
				F16	Self-Management
1	T and the second		1	1 10	Och-Management

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O3.14	Identify and report malfunctions to appropriate	1.3	Observing	C5	Acquires and Evaluates Information
	personnel	1.11	Writing	F2	Writing
		1.12	Speaking	F6	Speaking
		2.31	Physical Wellness	F8	Decision Making
		4.4	Rights and Responsibilities	F12	Reasoning
		5.4	Decision Making	F13	Responsibility
			-	F17	Integrity/Honesty
O3.15	Inspect material, equipment and fixtures for	1.3	Observing	F8	Decision Making
	defects	4.4	Rights and Responsibilities	F12	Reasoning
		5.4	Decision Making	F13	Responsibility
O3.16	Determine weight and operating limits of	1.2	Reading	F13	Responsibility
	equipment	1.3	Observing	F16	Self-Management
		1.10	Classifying	F17	Integrity/Honesty
O3.17	Perform periodic checks during operation to	1.3	Observing	C15	Understands Systems
	assure proper function	4.4	Rights and Responsibilities	F8	Decision Making
		5.4	Decision Making	F12	Reasoning
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
O3.18	Respond to emergencies in the appropriate	1.4	Listening	C4	Allocates Human Resources
	manner	1.12	Speaking	F5	Listening
		3.1	Positive Growth in Self-Concept Task/Project	F6	Speaking
		3.3	Adaptable and Flexible	F8	Decision Making
		3.4	Resourceful and Creative	F9	Problem Solving
		4.3	Consistent, Responsive, Caring Behavior	F12	Reasoning
		4.5	Multicultural Sensitivity	F13	Responsibility
		5.1	Critical Thinking	F16	Self-Management
		5.4	Decision Making		
		5.5	Problem Solving		
		6.1	Applying Multiple Perspectives		
O3.19	Describe ergonomics and its importance to the	1.11	Writing	F2	Writing
	manufacturing process	1.12	Speaking	F6	Speaking
		2.31	Physical Wellness		
		3.2	Healthy Lifestyle		
	PROBLEM SOLVING				
	EMPLOYABILITY				
E4.1	Explain the value of applying a problem-solving	1.12	Speaking	F6	Speaking
	system	4.4	Rights and Responsibilities	F9	Problem Solving
		5.5	Problem Solving	F12	Reasoning
				F17	Integrity/Honesty

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E4.2 Apply a system of problem solving 4.4 Rights and Responsibilities 5.4 Solving F12 Reasoning F12 Reasoning F13 Responsibility Responsibi						
E4.3 Identify opportunities for applying problem-solving techniques E4.3 Identify opportunities for applying problem-solving techniques E4.3 Identify opportunities for applying problem-solving techniques E5.4 Identify opportunities for applying problem-solving techniques E5.5 Identify opportunities for applying problem-solving techniques E6.1 Identify opportunities for applying problem-solving techniques E6.1 Explain the effect of quality on profit on the opportunities of the oppor	E4.2	Apply a system of problem solving				
E4.3 Identify opportunities for applying problem-solving techniques F.13 Identify opportunities for applying problem-solving techniques F.3 Identify opportunities for applying problem-solving techniques F.3 Identify opportunities for applying problem-solving techniques F.3 Identify opportunities for applying problem-solving F.3 Identify opportunities for applying problem-solving F.3 Problem Solving F.12 Reasoning Responsibility F.3 Responsi					F9	Problem Solving
E4.3 Identify opportunities for applying problem-solving techniques E4.4 Identify opportunities for applying problem-solving techniques E5.5 Rights and Responsibilities E5.6 Poblem Solving E5.7 Applying Multiple Perspectives EMPLOYABILITY E5.1 Explain the effect of quality on profit 1.11 Writing E5.2 Identify the effects of continuous quality improvement E5.2 Identify the effects of continuous quality improvement E5.3 Identify your customers E5.4 Decision Making E5.5 Identify your customers E5.5 Identify your customers E5.6 OCCUPATIONAL E5.7 OCCUPATIONAL OS.1 Identify customer problems E5.8 Determine causes of the problem E5.9 Determine causes of the problem E5.1 Observing E5.2 Determine causes of the problem E5.3 Observing E5.4 Decision Making E5.5 Decision Making E5.6 Poblem Ving Problem Problem E5.7 Coccupation Problem E5.8 Determine causes of the problem E5.9 Determine causes of the problem E5.1 Circleal Thinking E5.2 Determine causes of the problem E5.3 Decision Making E5.4 Decision Making E5.5 Decision Making E5.6 Problem Social E5.7 Circleal Thinking E5.8 Decision Making E5.9 Decision Making E5.9 Decision Making E5.0 Determine causes of the problem E5.1 Circleal Thinking E5.2 Listening E5.3 Decision Making E5.5 Listening E5.6 Speaking E5.7 Decision Making E5.7 Listening E5.8 Decision Making E5.8 Decision Making E5.9 Decision Making E5.9 Listening E5.0 Social E5.1 Listening E5.0 Speaking E5.0 Listening E			5.5			
E4.3 Identify opportunities for applying problem-solving techniques 1.3 A A A A A A A A A			6.1	Applying Multiple Perspectives		Responsibility
techniques 4 4 Rights and Responsibilities F9 Problem Solving Reasoning Responsibility F12 Reasoning Responsibility F13 Responsibility F13 Responsibility E5.1 Explain the effect of quality on profit F1.1 Speaking F1.2 Speaking F1.0 Speaking F1.0 Speaking F1.0 Decision Making F1.0 Speaking F1.0						
Section Making F12 Reasoning F13 Responsibility	E4.3	Identify opportunities for applying problem-solving				
Comparison of the problem		techniques				
Comparison Com					F12	
Comparison of the problem			5.5	Problem Solving	F13	Responsibility
EMPLOYABILITY			6.1	Applying Multiple Perspectives		
EMPLOYABILITY		OHALITY ASSUBANCE				
E5.1 Explain the effect of quality on profit 1.11 Viriting Speaking F6 Speaking F8 Decision Making Seeing Things in the Mind's Eye Reasoning E5.2 Identify the effects of continuous quality improvement 1.3 Observing F10 Classifying F10						
E5.2 Identify the effects of continuous quality improvement	E5 1		1 11	Writing	F2	Writing
E5.2 Identify the effects of continuous quality improvement 1.3	E3.1	Explain the effect of quality of profit				
Improvement	E5 2	Identify the effects of continuous quality				1 0
A.4 A.6 A.6 Open Mind to Alternative Perspectives Critical Thinking Decision Making	E5.2					
A dentify your customers		improvement				
E5.3 Identify your customers 1.3 Observing 1.12 Speaking DCCUPATIONAL O5.1 Identify customer problems 1.3 Observing 1.4 Listening 1.5 Established problems 1.3 Observing 1.4 Listening 1.5 Established problems 1.4 Listening 1.5 Established problems 1.5 Established problems 1.6 Established problems 1.7 Established problems 1.8 Established problems 1.9 Established problems 1.1 Established problems 1.1 Established problems 1.2 Established problems 1.3 Observing 1.4 Established problems 1.5 Established problems 1.6 Established problems 1.7 Established problems 1.8 Established problems 1.9 Established problems 1.1 Established problems 1.1 Established problems 1.2 Established problems 1.3 Established problems 1.3 Established problems 1.4 Established problems 1.5 Established problems 1.6 Established problems 1.7 Established problems 1.8 Established problems 1.9 Established problems 1.10 Established problems 1.11 Established problems 1.12 Established problems 1.13 Established problems 1.14 Established problems 1.15 Established problems 1.16 Established problems 1.17 Established problems 1.18 Established problems 1.19 Established problems 1.10 Established problems 1.11 Established problems 1.12 Established problems 1.13 Established problems 1.14 Established problems 1.15 Established problems 1.15 Established problems 1.16 Established problems 1.17 Established problems 1.18 Established prob					1 12	1\casoning
E5.3 Identify your customers						
E5.3 Identify your customers						
1.4	E5 3	Identify your customers			E5	Listening
CCUPATIONAL Comparison of the problem 1.12 Speaking F8 F15 Social Speaking Social	L3.3	identity your customers				
OCCUPATIONAL O5.1 Identify customer problems 1.3 Observing 1.4 Listening 5 End Speaking 1.12 Speaking F13 Responsibility F15 Social Determine causes of the problem 1.3 Observing F13 Responsibility F14 Integrity/Honesty O5.2 Determine causes of the problem 1.3 Observing 1.4 Listening F15 Listening F17 Integrity/Honesty C5 Acquires and Evaluates Information 1.12 Speaking F1.12 Speaking F1.12 Speaking F1.12 Speaking F1.12 Speaking F1.12 Speaking F1.13 Observing F1.14 Rights and Responsibilities F1 Decision Making F1 Decision Making F1 Reasoning F1 Reasoning						
OS.1 Identify customer problems 1.3 Observing 1.4 Listening 1.12 Speaking F5 Speaking Decision Making F13 Responsibility F15 Social Integrity/Honesty OS.2 Determine causes of the problem 1.3 Observing F15 Social Integrity/Honesty C5 Acquires and Evaluates Information Listening F16 Speaking F17 Integrity/Honesty C5 Acquires and Evaluates Information Listening F17 Speaking F18 Decision Making F19 Problem Solving F19 Problem Solving F10 Reasoning F11 Reasoning F12 Reasoning			1.12	Speaking		
O5.1 Identify customer problems		OCCUPATIONAL			1 13	Jocial
1.4	05.1		13	Observing	E5	Listening
1.12 Speaking F8 Decision Making Responsibility Social Integrity/Honesty	05.1	identity edatorilet problems				
F13 Responsibility F15 Social F17 Integrity/Honesty	1					
O5.2 Determine causes of the problem 1.3 Observing C5 Acquires and Evaluates Information 1.4 Listening F5 Listening F6 Speaking F8 Decision Making F9 Problem Solving F12 Reasoning			1.12	Opeaning		
O5.2 Determine causes of the problem 1.3 Observing 1.4 Listening 1.12 Speaking 1.12 Speaking 1.12 Speaking 1.2 Reasoning 1.3 Decision Making 1.4 Rights and Responsibilities 1.5 Decision Making 1.6 Reasoning 1.7 Integrity/Honesty 1.8 Acquires and Evaluates Information 1.9 Fo Listening 1.0 Speaking 1.10 Speaking 1.11 Speaking 1.12 Speaking 1.12 Speaking 1.13 Critical Thinking 1.3 Critical Thinking 1.4 Rights and Responsibilities 1.5 Decision Making 1.6 Reasoning	1					
O5.2 Determine causes of the problem 1.3 Observing 1.4 Listening 1.12 Speaking 1.12 Speaking 1.12 Reasoning 1.3 Observing 1.12 Speaking 1.12 Speaking 1.13 Observing 1.14 Listening 1.15 Speaking 1.16 Speaking 1.17 Speaking 1.18 Speaking 1.19 Speaking 1.19 Speaking 1.10 Speaking 1.11 Speaking 1.12 Speaking 1.12 Speaking 1.2 Speaking 1.3 Observing 1.3 Observing 1.4 Listening 1.5 Speaking 1.6 Speaking 1.7 Speaking 1.8 Decision Making 1.9 Problem Solving 1.0 Speaking 1.0 Decision Making						
1.4 Listening 5 Speaking 7 Speaking 8 Speaking 9 Decision Making 9 Problem Solving 9 Speaking 1.12 Speaking	05.2	Determine causes of the problem	1.3	Observing		
1.12 Speaking 4.4 Rights and Responsibilities 5.1 Critical Thinking 5.4 Decision Making F6 Speaking F8 Decision Making F9 Problem Solving F12 Reasoning	00.2	2 stermine sadded of the problem				
4.4 Rights and Responsibilities F8 Decision Making 5.1 Critical Thinking F9 Problem Solving 5.4 Decision Making F12 Reasoning						
5.1 Critical Thinking F9 Problem Solving 5.4 Decision Making F12 Reasoning						Decision Making
5.4 Decision Making F12 Reasoning						
			5.5	Problem Solving		

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O5.3	Apply problem-solving system	1.4	Listening	C12	Exercises Leadership
		1.12	Speaking	F5	Listening
		3.3	Adaptable and Flexible	F6	Speaking
		4.4	Rights and Responsibilities	F8	Decision Making
		5.4	Decision Making	F9	Problem Solving
		5.5	Problem Solving	F12	Reasoning
				F13	Responsibility
O5.4	Recommend possible solutions	1.11	Writing	C5	Acquires and Evaluates Information
		1.12	Speaking	F1	Reading
		4.3	Consistent, Responsive, Caring Behavior	F2	Writing
		4.4	Rights and Responsibilities	F5	Listening
		4.6	Open Mind to Alternative Perspectives	F6	Speaking
		5.5	Problem Solving	F8	Decision Making
				F9	Problem Solving
				F12	Reasoning
O5.5	Define SPC	1,2	Reading	C7	Interprets and Communicates Information
		1,11	Writing	F2	Writing
				F6	Speaking
O5.6	Define international quality standards and systems	1.2	Reading	C7	Interprets and Communicates Information
	such as ISO/QS 9000	1.11	Writing	F2	Writing
				F6	Speaking
	BLUEPRINT READING				
	OCCUPATIONAL				
00.4		4.0	Deading:	07	Internation of Communication Information
O6.1	Define basic blueprint terminology	1.2	Reading	C7	Interprets and Communicates Information
		1.11	Writing	F2	Writing
00.0		4.0	Observior	F6	Speaking Approximate the formation
O6.2	Interpret commonly used abbreviations and	1.3	Observing	C5	Acquires and Evaluates Information
	terminology	1.10	Classifying	F8	Decision Making
		5.1	Critical Thinking	F12	Reasoning
		5.4	Decision Making		
		5.5	Problem Solving	0.5	
O6.3	Identify types of lines within a drawing	1.3	Observing	C5	Acquires and Evaluates Information
		1.10	Classifying	F8	Decision Making
		5.1	Critical Thinking	F12	Reasoning
		5.4	Decision Making		
		5.5	Problem Solving		
	BUSINESS PLANNING & OPERATION				
	ACADEMIC				

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A7.1	Identify the organizational need for profit	2.18 5.1	Structure and Function of Economic System Critical Thinking	C5 F2 F6 F12	Acquires and Evaluates Information Writing Speaking Reasoning
A7.2	Define the term "profit"	2.18	Structure and Function of Economic System	C7 F2 F6	Interprets and Communicates Information Writing Speaking
	EMPLOYABILITY				
E7.1	Identify the components that lead to customer satisfaction	1.2 1.3 1.4 4.1 5.4 6.1	Reading Observing Listening Interpersonal Skills Decision Making Applying Multiple Perspectives	C7 C11 F5 F6 F9 F13 F15 F16	Interprets and Communicates Information Serves Clients/Customers Listening Speaking Problem Solving Responsibility Social Self-Management
E7.2	Identify possible actions that may lead to customer dissatisfaction	1.2 1.3 1.4 4.1 5.4 6.1	Reading Observing Listening Interpersonal Skills Decision Making Applying Multiple Perspectives	C7 C11 F5 F6 F9 F13 F16	Interprets and Communicates Information Serves Clients/Customers Listening Speaking Problem Solving Responsibility Self-Management
E7.3	Identify the ways that the level of customer satisfaction may affect company success	1.2 1.3 1.4 4.1 5.1 6.2	Reading Observing Listening Interpersonal Skills Critical Thinking Developing New Knowledge	C7 C11 F9	Interprets and Communicates Information Serves Clients/Customers Problem Solving
E7.4	Explain the importance of a business reputation	1.11 1.12	Writing Speaking	C7 C11	Interprets and Communicates Information Serves Clients/Customers
E7.5	Identify the ways that customer satisfaction influences a business reputation	1.2 1.3 1.4 4.1 5.4 6.1	Reading Observing Listening Interpersonal Skills Decision Making Applying Multiple Perspectives	C7 C11	Interprets and Communicates Information Serves Clients/Customers
	WORKFORCE ISSUES				
	EMPLOYABILITY				

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E8.1	Recognize the difference between a team environment workplace and a conventional workplace	1.2 1.3 1.4	Reading Observing Listening	C7 C9 C15	Interprets and Communicates Information Participates Understands Systems
		4.1 4.2 4.5	Interpersonal Skills Productive Team Skills Multicultural Sensitivity		
E8.2	Identify the characteristics of a diverse work force	2.17 2.26 4.5 4.6 5.3	Cultural Diversity Diversity Multicultural Sensitivity Open Mind to Alternative Perspectives Conceptualizing	C5 C7 C9 C13 F13 F15 F16	Acquires and Evaluates Information Interprets and Communicates Information Participates Understands Systems Responsibility Social Self-Management Integrity/Honesty
E8.3	Identify good ethical characteristics and behaviors	2.29 2.32 3.6 5.4	Family Life and Parenting Mental and Emotional Wellness Ethical Values Decision Making	C5 C7 C9 F13 F15 F17	Acquires and Evaluates Information Interprets and Communicates Information Participates Responsibility Social Integrity/Honesty
E8.4	Demonstrate good ethical characteristics and behaviors	3.6 5.2	Ethical Values Creative Thinking	C5 F13 F15 F17	Acquires and Evaluates Information Responsibility Social Integrity/Honesty
E8.5	Differentiate between good and poor business ethics practices	3.6 5.2	Ethical Values Creative Thinking	C5 F13 F15 F17	Acquires and Evaluates Information Responsibility Social Integrity/Honesty
E8.6	Match employee responsibilities to employer expectations	3.3 4.1 4.4	Adaptable and Flexible Interpersonal Skills Rights and Responsibilities	C6 C7 C11 C16 F5 F6 F11 F12 F13 F16	Organizes and Maintains Information Interprets and Communicates Information Serves Clients/Customers Monitors and Corrects Performance Listening Speaking Knows How to Learn Reasoning Responsibility Self-Management

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E8.7	Define discrimination, harassment and equity	1.1	Accessing Sources of Information	C7	Interprets and Communicates Information
		1.2	Reading	C14	Works with Cultural Diversity
		1.3	Observing	F1	Reading
		1.4	Listening	F5	Listening
		1.11	Writing	F6	Speaking
		1.12	Speaking	F16	Self-Management
			2, 3	F17	Integrity/Honesty
E8.8	Demonstrate non-discriminatory behavior	3.5	Self-Control and Self-Discipline	C9	Participates
	,		'	C10	Teaches Others
				C13	Negotiates to Arrive at a Decision
				F13	Responsibility
				F15	Social
				F16	Self-Management
				F17	Integrity/Honesty
E8.9	Maintain confidentiality and sensitivity of company	3.6	Ethical Values	C5	Acquires and Evaluates Information
20.0	information	5.4	Decision Making	C6	Organizes and Maintains Information
	Information	0.7	Decision waking	C11	Serves Clients/Customers
				C12	Exercises Leadership
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
	WORKPLACE SKILLS			F 17	Integrity/Honesty
	EMPLOYABILITY				
E9.1		3.5	Self-Control and Self-Discipline	F13	Responsibility
E9.1	Demonstrate consistently punctual arrival	3.5 4.4		F16	
		4.4	Rights and Responsibilities	F10	Self-Management
F0.0	Description of the description o	4.44	Mattin a		Integrity/Honesty
E9.2	Document regular attendance	1.11	Writing	C6	Organizes and Maintains Information
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
E9.3	Demonstrate enthusiasm and confidence about	2.37	Employability Skills	C9	Participates
	work and learning new tasks	3.3	Adaptable and Flexible	C12	Exercises Leadership
		3.7	Learn On One's Own	F5	Listening
		4.4	Rights and Responsibilities	F6	Speaking
				F11	Knows How to Learn
				F15	Social
				F16	Self-Management Self-Management
E9.4	Demonstrate appropriate dress and hygiene for	3.5	Self-Control and Self-Discipline	C6	Organizes and Maintains Information
	successful employment	4.4	Rights and Responsibilities	F1	Reading
				F5	Listening
1		1	1	F16	Self-Management

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E9.5	Demonstrate the ability to act in a polite and	4.1	Interpersonal Skills	F5	Listening
	respectful way towards co-workers	4.2	Productive Team Skills	F6	Speaking
		4.3	Consistent, Responsive, Caring Behavior	F16	Self-Management
		4.4	Rights and Responsibilities		
		4.5	Multicultural Sensitivity		
		4.6	Open Mind to Alternative Perspectives		
E9.6	Demonstrate the ability to complete tasks on time	2.37	Employability Skills	C6	Organizes and Maintains Information
	and accurately	3.5	Self-Control and Self-Discipline	C9	Participates
	,	4.4	Rights and Responsibilities	C11	Serves Clients/Customers
			and the same confidence of the same of	C16	Monitors and Corrects Performance
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
E9.7	Demonstrate the ability to make career decisions	2.36	Career Path	C5	Acquires and Evaluates Information
	2 omene and all many to mane cancer accident	5.4	Decision Making	F8	Decision Making
		• • • • • • • • • • • • • • • • • • • •		F11	Knows How to Learn
				F13	Responsibility
				F14	Self-Esteem
				F16	Self-Management
E9.8	Prepare a resume and letter of application or	2.38	Post-Secondary Opportunity Search	C8	Uses Computers to Process Information
20.0	interest	2.00	Took Socialary Sportarity Socialis	C19	Applies Technology to a Task
				F1	Reading
				F2	Writing
				F11	Knows How to Learn
E9.9	Fill out an application for employment	2.38	Post-Secondary Opportunity Search	C8	Uses Computers to Process Information
			, , , , , , , ,	C19	Applies Technology to a Task
				F1	Reading
				F2	Writing
				F11	Knows How to Learn
E9.10	Participate in an employment interview	2.38	Post-Secondary Opportunity Search	C8	Uses Computers to Process Information
			, , , , , , , , , , , , , , , , , , , ,	C19	Applies Technology to a Task
				F1	Reading
				F2	Writing
				F11	Knows How to Learn
E9.11	Follow directions and procedures	4.4	Rights and Responsibilities	C7	Interprets and Communicates Information
	·	5.4	Decision Making	C14	Works with Cultural Diversity
				F5	Listening
				F6	Speaking
				F11	Knows How to Learn
				F12	Reasoning
				F15	Social
				F16	Self-Management
				F17	Integrity/Honesty

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E9.12	Be truthful in all communications with co-workers	3.6	Ethical Values	C5	Acquires and Evaluates Information
	and supervisors	4.3	Consistent, Responsive, Caring Behavior	C6	Organizes and Maintains Information
		4.4	Rights and Responsibilities	C9	Participates
				F2	Writing
				F6	Speaking
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
E9.13	Accept constructive criticism	3.1	Positive Growth in Self-Concept Task/Project	C7	Interprets and Communicates Information
		4.6	Open Mind to Alternative Perspectives	C9	Participates
				C12	Exercises Leadership
				C16	Monitors and Corrects Performance
				F5	Listening
				F6	Speaking
				F11	Knows How to Learn
				F13	Responsibility
				F14	Self-Esteem Self-Esteem
				F16	Self-Management
E9.14	Demonstrate an ability to learn new skills and	2.37	Employability Skills	C5	Acquires and Evaluates Information
	behaviors	3.1	Positive Growth in Self-Concept Task/Project	C6	Organizes and Maintains Information
		3.7	Learn on One's Own	C7	Interprets and Communicates Information
		5.4	Decision Making	F11	Knows How to Learn
				F16	Self-Management
E9.15	Demonstrate a willingness to work	4.2	Productive Team Skills	C9	Participates
				F9	Problem Solving
				F13	Responsibility
				F16	Self-Management
				F17	Integrity/Honesty
E9.16	Demonstrate a willingness to learn	3.7	Learn on One's Own	C5	Acquires and Evaluates Information
		5.5	Problem Solving	F11	Knows How to Learn
E9.17	Work with minimal supervision	2.37	Employability Skills	F13	Responsibility
		3.4	Resourceful and Creative	F16	Self-Management
		3.7	Learn on One's Own		
E9.18	Plan and organize	1.1	Accessing Sources of Information	C1	Allocates Time
		5.1	Critical Thinking	C3	Allocates Materials and Facility Resources
				C4	Allocates Human Resources
				C5	Acquires and Evaluates Information
				C7	Interprets and Communicates Information
				C15	Understands Systems
				F8	Decision Making
				F9	Problem Solving
				F13	Responsibility
				F16	Self-Management

Skill Standards

Kentucky Academic Expectations

			Tracky reducinie Expectations		
	OCCUPATIONAL				
O9.1	OCCUPATIONAL Demonstrate safe, careful use, treatment and maintenance of tools, equipment, and machines Demonstrate basic mechanical skills	1.16 2.31 2.37 3.5 4.3 4.4 5.4 2.34 5.5	Using Electronic Technology Physical Wellness Employability Skills Self-Control and Self-Discipline Consistent, Responsive, Caring Behavior Rights and Responsibilities Decision Making Psychomotor Skills Problem Solving	C6 C20 F1 F5 F9 F13 F16 C15 C18 C19 F8	Organizes and Maintains Information Maintains and Troubleshoots Technology Reading Listening Problem Solving Responsibility Self-Management Understands Systems Selects Technology Applies Technology to a Task Decision Making Problem Solving
	LEARNING SKILLS ACADEMIC			F11 F12 F13	Knows How to Learn Reasoning Responsibility
1101		0.4	D ''' O '' : O '' O ' . T I 'D : 1		15 1 6 16 6
A10.1	Identify personal preferred learning styles	3.1 5.4	Positive Growth in Self-Concept Task/Project Decision Making	C5 F1 F5 F11 F14 F16	Acquires and Evaluates Information Reading Listening Knows How to Learn Self-Esteem Self-Management
A10.2	Demonstrate ability to learn new process steps	3.1 3.3 3.7 5.1 5.3	Positive Growth in Self-Concept Task/Project Adaptable and Flexible Learn On One's Own Critical Thinking Conceptualizing	C6 C15 F1 F5 F9 F12	Organizes and Maintains Information Understands Systems Reading Listening Problem Solving Reasoning
A10.3	Implement new process steps given oral instructions	1.4 5.4	Listening Decision Making	C5 F5 F9	Acquires and Evaluates Information Listening Problem Solving
A10.4	Read process instructions and implement appropriate steps	1.2 5.4	Reading Decision Makin	C5 F1 F9	Acquires and Evaluates Information Reading Problem Solving
	OCCUPATIONAL				

Skill Standards

Kentucky Academic Expectations

O10.	Participate in product or process specific training	1.3	Observing	C1	Allocates Time
	and report significant information	1.4	Listening	C7	Interprets and Communicates Information
		2.22	Convey a Point of View	C9	Participates
		4.4	Rights and Responsibilities	C10	Teaches Others
		5.4	Decision Making	F5	Listening
		6.2	Developing New Knowledge	F6	Speaking
		6.3	Expanding Existing Knowledge	F13	Responsibility